



1/15

Datenbank-Nr., Name	Vergleich Endometriose versus Normal (sekr. Phase)	Vergleich Endometriose versus Normal (prol. Phase)	Vergleich sekr. versus prol. Phase (Endometrium)
X02761, fibronectin (FN precursor)	down (0 up - 16 down)	down (4 up - 12 down)	up (18 up - 1 down)
S37730, insulin-like growth factor binding protein-2	down (1-15)	nc (13-13)	up (17-2)
U40271, Human transmembrane receptor precursor (PTK7)	down (0-14)	nc (6-2)	up (9-1)
M21574, platelet-derived growth factor receptor alpha (PDGFRA)	down (0-13)	nc (8-10)	up (17-0)
L22548, collagen type XVIII alpha 1 (COL18A1)	down (0-13)	down (0-8)	up (17-0)
M80482, subtilisin-like protein (PACE4)	down (1-13)	down (4-13)	up (22-2)
Z26653, laminin M chain (merosin)	down (1-13)	nc (9-10)	up (17-1)
M36860, U77846, Elastin	down (0-12)	nc (0-0)	up (25-0)
X05610, type IV collagen alpha -2 chain	down (0-12)	nc (3-3)	up (11-0)
X67325, p27 interferon alpha-inducible gene	down (1-12)	nc (9-10)	up (10-2)

Abbildung 1

Figure 1

[Key to Table:]

Datenbank-Nr., Name = Data Bank No., Name
Vergleich Endometriose versus Normal (sekr. Phase) = Comparison
of Endometriosis versus Normal (Secr. Phase)
Vergleich Endometriose versus Normal (prol. Phase) = Comparison
of Endometriosis versus Normal (Prol. Phase)
Vergleich sekr. versus prol. Phase (Endometrium) = Comparison
of Secr. versus Prol. Phase (Endometrium)

Figure 1

[Key to Table:]

Datenbank-Nr., Name = Data Bank No., Name
Vergleich Endometriose versus Normal (sekr. Phase) = Comparison
of Endometriosis versus Normal (Secr. Phase)
Vergleich Endometriose versus Normal (prol. Phase) = Comparison
of Endometriosis versus Normal (Prol. Phase)
Vergleich sekr. versus prol. Phase (Endometrium) = Comparison
of Secr. versus Prol. Phase (Endometrium)

Datenbank-Nr., Name	Vergleich Endometriose versus Normal (sekr. Phase)	Vergleich Endometriose versus Normal (prol. Phase)	Vergleich sekr. versus prol. Phase (Endometrium)
D42073, reticulocalbin	down (0-11)	nc (8-5)	up (11-2)
U07919, aldehyde dehydrogenase 6	down (1-11)	nc (13-9)	up (22-0)
U81607, gravin	down (1-11)	nc (8-7)	up (18-1)
M30269, nidogen	down (0-10)	nc (8-14)	up (15-3)
D42108, phospholipase C Epsilon	down (1-10)	nc (12-14)	up (25-0)

Abbildung 1

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
1	Fibronektin	<p>MLRGPGGLL LLAVQCLGTA VPSTGASKSK RQAQMVQPPQ SPVAVSQSKP GCYDNGKHYQ INQWERTYL</p> <p>GNALVCTCYG GSRGFNCESK PEAEETCFDK YTGNTYRVGD TYERPQDSMI WDCTCIGAGR GRISCTIANR</p> <p>CHEGGQSYKI GDTWRRPHET GGYMLECVCL GNGKGEMTCK PIAEKCFDHA AGTSYVVVGET WEKPYQGMMM</p> <p>VDCTCLGEGS GRITCTSRNR CNDQDTRTSY RIGDTWSKDD NRGNLLQIC TGNGRGEMKC ERHTSVQTTTS</p> <p>SGSGPFTDVR AAVYQPPHP QPPPYGHCVT DSGVVISVGM QMLKTQGNKQ MLCTCLNGV SQETAVTQT</p> <p>YGGNSNGEPC VLPFTYNGRT FYSCCTEGRQ DGHLCSTTS NYEQDQKYSF CTDHTVLVQT QGGNSNGALC</p> <p>HPFFLYNNHN YTDCTSEGR DNKWCCTTQ NYDADQKFGF CPMAAHEEIC TTNEGVMYRI GDQMDKQHDM</p> <p>GHMRCCTCVG NRGEWTCIA YSQLRDQCIV DDITYNVNDT FHKRHEEGHM LNCTCFGQGR GRWKCDPVDQ</p> <p>CQDSETGTFY QIGDSWEKYV HGVRYQCICY GRGIGEMHCQ PLQTYPSSSG PVEVFITETP SQPNSHPIQM</p> <p>NAPQSHISK YILRWPRKNS VGRWKEATIP GHLNSYTIKG LKPGVVYEGQ LISIQYGHQ EVTRFDFTTT</p> <p>STSTPVTSTNT VTGETPPFP LVAATSESVTE ITASSFVWSH VSASDTVSGF RVEYELSEEG DEQYLDLPS</p> <p>TATSVNIPDL LPGRKYIVNV YQISEGGEQS LILSTSQTTA PDAPPDPTVD QVDDTSIVVR WSRPQAPITG</p> <p>YRIVYSPSVE GSSTELNLP TANSVTLSDL QPGVQYNITI YAVEENQEST PVVIQOETTQ TPRSOTVPSP</p> <p>RDLQFVEVTD VKVTIMWTPP ESAVTGYRVD VIPVNLPGEH GORLPISRNT FAEVTCLSPG VTYYPKVFVAV</p> <p>SHGRESKPLT AQOTTKLDAP TNLQFVNETD STVLVRWTPP RAQITGYRLT VGLTRRGQPR QYNVGFVSVK</p> <p>YPLRNLPAS EYTVSLVAIK GNQESPKATG VFTTLQPGSS IPPYNTTEVTE TTIVITWTPA PRIGFKLGVR</p> <p>PSQGGEAPRE VTSDSGSIV SGLTPGVEYV YTIQVLRDQQ ERDAPLVNKV VTFPLSPPTNL HLEANPDTCV</p> <p>LTVSWERSTT PDITGYRITT TPTNGQQGNS LEEVHADQS SCTFDNLSPG LEYNVSVTV KDKESVPIS</p> <p>DTIIPAVPPP TDLRFTNIGP DTMRTWAPP PSIDLTFNLV RYSPVKNEED VAELSISPSD NAVVLTNLLP</p> <p>GTEYVSVSSS VIEQHESTPL RGROKTGLDS PTGIDFSDIT ANSFTVHIA PRATITGYRI RHHPEHFSGR</p> <p>PREDRVPHSR NSITLNLTP GTEYVAVSIVA LNGREESPLL IGQOSTVSDV PRDLEVVAAT PTSLLISWDA</p>

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence
Fibronektin = fibronectin

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		PAVTVRYRI TYGETGNSP VQFTVPGSK STATISGLKP GVDYITITVYA VTGRGDSPAS SKPISINVRT EIDKPSQMNV TDVQDNSISV KWLPSSSPVT GYRVTTTPKN GPGTKTKTA GPDQTEMTEIE GLQPTVEYVW SVYAQNPSGE SQPLVQTAVT NIDRPKGLAF TDVDVDSIKI AWESPQGQVS RYRVTYSSPE DGIHELFPAP DGEEDTAELQ GLRPGSEYTV SVVALHDDME SQPLIGTQST AIPATDLKF TQVTPTSLSA QWTPPNVQLT GYRVRVTPKE KTGPMKEINL APDSSVVVS GLMVATKYEY SVYALKDITLT SRPAQGVVTT LENVSPPRRA RVTDATETI TISWRKTET ITGFQVDAVP ANGQTPPIQRT IKPDVRSYTI TGLQPGTDYK IYLYTLNDNA RSSPVWIDAS TAIAPSNLR FLATTPNSLL VSMQPPRARI TGYIIKYEKP GSPPREVVPR PRPGVTEATI TGLEPGTEYT IYVIALKHNQ KSEPLIGRKK TDELPLQVTL PPHNLHCPEI LDVPSTVQKT PFVTHPGYDT GNGIQLPGTS GQQPSVGQQM IFEHGFRT TPPTTATPIR HRPRPYPPNV GEEIQICHIP REDVDYHLYP HGPGLNPNAS TGOEALSQTT ISWAPFQDTS EYIISCHPVG TDEEPLOFRV PGTSTSATLT GLTRGATYNI IVEALKDQQR HKVREEVTV GNSVNEGLNQ PTDDSCFDPY TVSHYAVGDE WERNSESGFK LLCQCLGFGS GHFRCDSSRH CHDNGVNYKI GEKWDROGEN GQMMSCCLG NGKGEFKCDP HEATCYDDGK TYHVGEQWQK EYLGAICSCT CFGQGRGWRD DNCRRPGGEP SPEGTTGQSY NOYSQRYHOR TTNVNCPIE CFMPLDVQAD REDSRE
2	Insulin-like growth factor binding protein-2	MLPRVGCPL PLPPPPLLLPL LPLLLLLLGA SGGGGARAE VLFRCPCTP ERLAACGPPP VAPPAVAVAV AGGARMPCAE LVREPGGCC SVCARLEGEA CGVYTPRCQ GLRCYPHPS ELPLQALVMG EGTCEKRDA EYGASPEQVA DNGDDHSEGG LVENHVDSTM NMLGGGSAG RKPLKSGMKE LAVFREKYTE QHRQMGKGGK HHGLGEEPKK LRPPPARTPC QQELDQVLER ISTMLPDER GPLEHLYSLH IPNCDKHGILY NLKQCKMSLN GQGECECVN PNTGKLIQGA PTINGDPECH LFYNEQQEAR GVHTORMQ

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
3	Transmembrane receptor PTK7	MGAARGSPAR PRRLLPLLSVL LPLLLGGTQT AIVFIKQPSS QDALQGRRAL LRCEVEAPGP VHVYWLDDGA PVQDTERRPA QGSSLSFRAV DPLQDSGTQ CVARDVTGE EARSANASFN IKWIEAGPW LKHPASEAEI QPQTQVKLRC HIDGHPRTY QWFRDGTPLS DGQSNHTVSS KERNLTLRPA GPEHSGLYSC CAHSAFSQAC SSQNFLLSIA DESFARVVLA PQDVVVVARYE EAMFHCQFSA QPPPSLQWLF EDETPTNRS RPPHLRRATV FANGSLLLTQ VRPRNAGIYR CIGQGQRGPP IILEATLHLA EIEDMLPEP RVFTAGSEER VTCLPPKGLP EPSVWWEHAG VRLPTHGRVY QKGHELVLAN IAESDAGVYT CHAANLAGQR RQDVNITVAT VPSWLKKPKQD SOLEEGKPGY LDCLTQATPK PTVVWYRNOM LISESRFEV FNGTLRINS VEYVDGTWYR CMSSTPAGSI EAQAVLQVLE KLKFTPPPPQ QQCNGFDKEA TVPCSATGRE KPTIKMERAD GSSLPEWVTD NAGTLHFARV TRDDAGNYTC IASNGPQQOI RAHVQLTVAV FITFKVEPER TTVYQGHYAL LQCEAQGDDPK PLIQWKGKDR ILDPTKLGPR MHIFQNGSLV IHQVAPEDSG RYTCTIAGNSC NIKHTEAPLY VVDKPVPEES EGPSPPPPYK MIQTIGLSVG AAVAYIIAVL GLMFYCKKRC KAKRLQKQPE GEEPEMECLN GGPLQNGQPS AEIQEEVALT SLGSGPAATN KRHSTSDKMH FPRSSILQPI TLGKSEFGEV FLAKAQGLEE GVAETLVLVK SLQSKDEQQQ LDFRRELEMF GKLNHANVVR LLGLCREAEP HYMVLEVVDL EDLKKQFLRIS KSKDEKLKSQ PLSTKQKVAL CTQVALGMEH LSNRFRVHKD LAARNCLVSA QRQVKVSALG LSKDVYNSEY YHFRQAWVAL RMMSPEAILE GDFSTKSDVW ASGVLMWEVF THGEMPHGGQ ADDEVILADLQ AGKARLPQPE GCPSKLYRLM QRCWALSPKD RPSFSEIASA LGDSTVDSPK
4	Platelet-derived growth factor receptor alpha	NGTSHPAFLV LGCLLTGLSL ILCQLSLPSI LPNENKVVQ LNSSFSLRCF GESEVSWQYP NSEESSDVE IRNEENNSGL FVTVLEVSSA SAANTGLYTC YNNHTQTEEN ELEGRHIYIY VPDPDVAFVP LGMTDYLIV EDDDSAIIPC RTDPTPTVT LHNSEGVVPA SYDSRQGFNG TFTVGPYICE ATVKGKKFQT IPFNVYALKA

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
5	Collagen xVIII alpha 1 type	<p> TSSELDLEMEA LKTVYKSGET IVTCAVFN EVVDLQWYTP GEVKGKGITM LEEIKVPSIK LVTTLTVPEA TVKSGDGYEC AARQATREVK EMKKVTISVH EKGFEIKPT FSOLEAVNLH EVKHFVVEVR AYPPIRISWL KNLTLIENL TEITTDVEKI QEIRYRSKLK LIRAKEEDSG HYTIVAQNEK AVKSYTFELL TQVPSSILD VDDHGSTGG QTVRCTAEGT PLPDIEWMAIC KDIIKKNMET SWTILANNVS NIITEIHSRD RSTVEGRVTF AKVEETIAVR CLAKNLGAE NRELKLVAPT LRSSELTVAATA VLVLVIVII SLIVLVVINK QKPRYEIRWR VIESISPDGH EYIYVDPML PYDSRWEPFR DGLVGRVLG SGAFGKVEG TAYGLRSQP VMKAVVMLK PTARSSEKQA LMSCLKINTH LGPHLNIIVNL LGACTKSGPI YIITEYCFYG DLVNYLHKNR DSFLSHHDEK PKKELDIPGL NPADESTRSY VILSFENNGD YMDMKQADTT QYVPMLEKE VSKYSDIORS LYDRPASYYK KSMIDSEVKN LLSDDNSEGL TLLDLLSFTY QVARGMEFLA SKNCVIRDLA ARNVLLAQGK IVKICDFGLA RDMHDSNVV SKGSTFLPVK WMAPESIFDN LYTTLSDVWS YGILLWEIFS LGGTPYPCMM VDSFFYNKIK SGYRMKPDH ATSEVYEIMV KCMNSEPEKR PSFYHLSEIV ENLLPGQYKK SYEKIHLDFL KSDHPAVARMVDSNAYIG VTYKNEEDKL KDWEGGLDEQ RLSADSGYII PLPDIDPVPE EEDLQKRNHR SSQTSESAI ETGSSSTFI KREDETIEDI DMDDDIGIDS SLDVEDSFL </p> <p> GEVGADGIPG FPLPGREGI AGPQPKGDR GSRGEKDPG KDGLGQPGLP GPRGPPGPVV YVSEQDGSVL SVPGEGRRG FAGFPAGP KGNLGSKGEL GSPGPKGEG EPSSIFSPDG GALGPAQKGA KGEPPGRGPP GLYGRPCYKG EIGFPGRGR PMNGLKGEK GEPDASLGF GMRGMPGPPG PPGPPGPGT PVYDSNVFAE SSRPGPPGLP GNQPGPKG PKGEVGPFGP PGQFPDFLQ KEAMKGEK DRGDAGQKE RGEPPGGGFF GSSLPGAPGA PGPRGYPGIP GPKGESIRGQ PGPPGQGGP GIGYEGRQGP PGPPGPPGPP SPPGPHRQTI SVFPGPPGGP PPGPPGTGMA SSGQVRLWAT RQAMLGQVHE VPEGWLI FVA EQEELYVRVQ NGFRKVQLEA RTPLPRGTDN EVAALQPPVV QLHDSNPYPR REHPHTARP WRADDIILASP PGLPEQYYP GPHHSSYYH CGPARPTSPP AHSHRDFQV LHLVALNSPL SSGMRGIRGA DFQCFQARA VGLAGTFRAF LSSRLQDLYS </p>

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		IVRRADRAV PIVNLKDELL FPSWEALFSG SEGPKPGAR IFSFGDKDVL RHPTWPKSV WHGSDPNRR LTSYCETWR TEAPSATGQA SSLLGRLIG QSAASCHHAY IVLCIENSEM TASK
6	Subtilisin-like protein (PACE4)	MPPRAPPAG PRPPRAAAA TDTAAGAGGA GGAGGAGGPG FRPLAPRPR WLLLLALPAA CSAPPPRPVY TNHHAVQVLG GPAAEDRVAA AHGYLNLGQI GNLEDYHHFY HSKTFKSTL SSRGPHFTLR MDPQVKWLQQ QEVKRRVKRQ VRSDPQALYF NDPINSNMWY LHCGDKNSRC RSEMNVOAAM KRGYTGKNVV VTILDDGIER NHPDLAPNYD SYASYDVNGN DYDPSPRYDA SNENKHGTRC AGEVAASANN SYCIVGIAYN AKIGGIRMLD GDVTDVVEAK SLGIRPNYID IYSASWGPOD DGKTVDGPR LAKQAFYGI KKORQGLGSI FVWASGNNGR EGDYCSCDGY TNSIYTSVS SATENGYKWP YLEECASLIA TTYSSGAFYE RKIVTTDLRQ RCTDGHGTGS VSAPMVAGII ALALEANSOL TWRDVQHLLV KTSRPAHLKA SDWKVNGACH KVSHFYGFGL VDAEALVVEA KKWTAVPSQH MCVAASDKRP RSIPLVQVLR TTALTSACAE HSDQRVVYLE HVVVTSISH PRRGDLQIYL VSPSGTKSQL LAKRLDLSN EGFTNWEFMT VHCWGEKAEQ QWTLIEIQDLP SQVRNPEKQG KLKEWSLILY GTAHPYHTF SAHQSRSRML ELSAPELEPP KAALSPSQVE VPEDIEDYTA QSTPGSANIL QTSVCHPECG DKGCDGPNAD QCLNCVHFSL GSVKTSRKCV SVCPLGYFGD TAARRCRRCH KGCTCSSRA ATQCLSCRGG FYHHQEMNTC VTLCFAGFYA DESQKNCLKC HFSCCKCVDE PEKCTVCKEG FSLARGSCIP DCEPGTYFDS ELIRCGECHH TCGTCVGPGR EECIHCAKNF HFHDWKCVPA CGEGFYPEEM PGLPHKVCRR CDENCLSCAG SSRNCRCCT GTQLGTSCI TNHTCSNADE TFCEMVKSNR LCERKLFIOF CCRTCLLAG
7	Laminin M chain (Merostin)	MPGAAGVLLL LLLSGGLGV QAQRPPQQRQ SQAHQQRGLF PAVLNLASNA LITNATCGE KGPENYCKLV EHVPGQPVRR PQCRICNQS SNPNQRHPIT NAIDGKNTW QSPSIRKNGIE YHVVTITLTL QQVFQIAYVI VKANSRPRG NWILERSLDD VEYKFWQYHA VTDTECLTLY NIYPRTGPPS YAKDDEVICT SFYSKIHPL NGEITHISLIN GRPSADDPSP ELLEFTSARY IRLRFQIRI LNADLMPFAH KDPREIDPIV TRYYYSVKD ISVGMNCICY GHARACPLDP ATNKSRCCE HNTCGSDCDQ CCPGFHQKPM RAGTFLTKTE CEACNCHGKA

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		<p>EECYDENVA RRNLSINIRG KYIGGGVCIN CTQNTAGINC ETCTDGFRRP KGVSPNYPRP CQPCHCDPIG SLNEVCVKDE KHARRGLAPG SCHCKTGFEG VSCDRCARGY TGYPDCKACN CSGLSKNED PCFGPCICKE NVEGGDCSRC KSGFFNLQED NWKGCDECFC SGVSNRCQSS YWTYKIQDM SGWYLTDLPG RIRVAPQDD LDSPQQISIS NAEARQALPH SYWSAPAPY LGNKLPAVGG QLTFTISYDL EEEEEDETERV LQMLIILEGN DLSISTAQDE VYLHPSEHT NVLLKKEESF TIHGHFPVR RKEFTVLAN LKRVLQITY SFGMDAIFRL SSVNLESAYS YPTDGSIAAA VEVCQCPG Y TGSSCESCW RHRVNGTIF GGICEPCQCF GHAESEDDVT GECLNCKDHT GGPYCDKCLP GFYGEPTKGT SEDCPACAP LNIPSNFSP TCHLDRSLGL ICDGCPVGYT GPRCERCARG YFGQPSVPGG SCQPCQCNEN LDFSIPGSCD SLGSGCLICK PGTTGRYCEL CADGYFGDAV DAKNCQPCRC NAGGSFSEVC HSQTGQCECR ANVQQRCDK CKAGTFGLQS ARGCVPCNCN SFGSKSFDCE ESGQCWCQPG VTGKKCDRCA HGYTFQEGG CTACECSHLG NNCDPKTGRC ICPNTIGEK CSKCAPNTWG HSITTGCKAC NCSTVGS LDF QCNVNTGQCH CHPKFSKAKC TECSRGHWN Y PRCNLDCDFL PGTDATTCD ETKKCSQSDQ TGQCTCKQNV EGIHCDRCRP GKFGLDKNP LGSSSCYCPG TTTQCSEAKG LIRTWVTLKA EQTILPLVDE ALQHTTKGI VFOHPEIVAH MDLMREDLHL EPFYWKLP EQ FEGKKLMAYG GKLYAIYFE AREETGFSTY NPQVIIRGGT PTHARIIVRH MAAPLIQOLT RHEIEMTEKE WKYYGDDPRV HRTVTREDFL DILYDIHYIL IKATYGNFMR QSRISEISME VAEQGRGTM TPPADLIEK DCPLGYSGLS CEACLPGFYR LRSQPGGRTP GPTLGTVCPC QCNHSSLCD PETSICQNCQ HHTAGDFCER CALGYGIVK GLPNDCCQCA CPLISSNNF SPSCVAEGLD DYRCTACPRG YEGQYCERCA PGYTSPGNP GGSCQCECED PYGSLPVPCD PVTGFTCRP GATGRKCDGC KHWHAREGWE CVFCGDECTG LLLGLDLARLE QMVMISINLTG PLPAPYKMLY GLENMTQELK HLLSPORAPE RLILQAEGLN NTLVTEMNEL LTRATKVTD GEQTGQDAER TNTRAKSLGE FIKELARDAE AVNEKAIKLN ETLGTRDEAF ERNIEGLQKE IDQMIKELRR KNLETQKEIA EDELVAEAL LKKVKKLFG E SRGENEEMEK DLREKLADYK NKVDDAWDLL REATDKIREA NRLFVAVQKN MTALEKKKEA VESGKRQIEN TLKEGNDILD EANRLADEIN SIIDYVEDIQ TKLPPMSEEL NDKIDDLSE IKDKLAERV</p>

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
8	Elastin	<p> SQRESHAQL NDSAVLDGI LDEAKNISFN ATAAPKAYSN INDIYIDEAEK VAKEAKDLAH EATKLATGPR GLLKEDAKGC LQSFRIINE AKKLANDVKE NEDHLNGLKT RIENADARNG DLLRTLNDTL GKLSAIPNDT AAKLQAVKDK ARQANDTAKD VLAQITELHQ NLDGLKKNYN KLADSVAKTN AVVKDPSKNK IADADATVK NLEQEAADRLI DKLPIKELE DNLKKNISEI KELINQARKQ ANSIKVSVS GGDCIRTYKP EIKKGSYNNI VAVVKTAVAD NLLFYLGSAK FIDFLAIEMR KGKVSFLHDV GSGVGRVEYP DLTIDDSYWY RIVASRTGRN GTISVRALDG PKASIVPSTH HSTSPPGYTI LDVDANAMLF VGGLTGKLLK ADVRVITFT GCMGETYFDN KPGLWNFRE KEGDCKGCTV SPQVEDSEGT ATRDLRDFMS VELTDGHIKV SYDLGSGMAS VVSQNHNNDG KWKSTLSRI QKQANISIVD IDTNOENIA TSSSGNNFGL DLKADDDKIYP GGLPTLRNLS MKARPEVNLK KYSGCLKDIE ISRTPYNILS SPDYGVTKG CSLENVYTVS FPKPGFVELS PVPIDVGTEI NLSFSTKNES GIILLGSGGT PAPPRRKRRQ TQQAYYVILL NRGRLVHLS TGARTMRKIV IRPEPNLFHD GREHVSHVHER TRGIFTVQVD ENRRYMQNLT VEQPIEVKKL FVGAGAPPEFQ PSPLRNIPPF EGCINLNLVIN SVPMDFARPV SFKNADIGRC AHQKLREDED GAAPAEIVIQ PEPVPTPAPP TPTPVLTHGP CAAESEPALI IGSKQFGLSR NSHIAIAFDD TKVKNRLTIE LEVRTEAESG LLYMAAINH ADFATVQLRN GLPYFSYDLG SGDTHMTIPT KINDGQWHKI KIMRSKQEGI LYVDGASNRT ISPKKADILD VVGMLYVGGI PINYTTRRIG PVTYSIDGCV RNLHMAEAPA DLEQPTSSFH VGTCEFANAQR GTYFDGTGFA KAVGFKVGL DLLVEFEFAT TTTTGVLILGI SSQKMDGMGI EMIDEKLMFH VDNAGAGRFTA VYDAGVPGHL CDGQWHKQVTA NKIKIRIELT VDNQVVEAQS PNPASTSADT NDPVFVGGFP DDLKQFGLTT STPFRGCTRS LKLTGKTASH WRLILPRPN </p>
		<p> MAGLTAAPR PGVLLLLLSI LHPSRPPGGVP GAIPGVPGG VFYPGAGLGA LGGGALPGG KPLKVPVGGI AGAGLGAGLG APTAVTFPGA LVPGGVADAA AAYKAAGAGA GLGGVPGVGG LGVSAGAVVP QPGAGVKPGK VPGVGLPGVY PGGVLPGARF PGVGLPGVP TGAGVVKPAP GVGGAFAGIP GVPGFGGPP GVPLGYPKA PKLPGGYGLP YTTGKLPYGY GPGGWAGAAG KAGYPTGTGV GPQAAAAA KAAAKFGAGA AGVLPGVGGA </p>

9/15

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
9	Alpha-2 type IV collagen	<p> GVPVPGALP GIGGIAGVGT PAAAAA AAAA AKAAYGAAA GLVPGGPGFG PGVVGVPGAG VPGVGVPGAG IPVVPAGAGIP GAAVPGVWSP EAAAKAAAAA AKYGRPGVG VGGIPTVGVG AGGPPGFGVG VGGIPGVAGV PSVGGVPGVG GVPVGVISPE AAAAAA AAAA KYGVGTAAAA AAKAAKAAQ FALLNLAGLV PGVGVAPGVG VAPGVGVAPG VGLAPGVGVA PGVGVAPGVG VAPGIGPGV AAKAKSAKV AAKAQLRAAA GLGAGIPGLG VGVGVPGLV GAGVPGLVG AGVPGFGAVP GALAAKAAK YGAAVPGVLG GLGALGGVGI PGVVVGAGPA AAAAAA AAAA KAAQFGLVGA AGLGLGVGG LCVPGVGGIG GIPPA AAAA AKA KYGAAGLGG VLGAGQFPL GGVAARPGFG LSPFPFGGAC LGKACGRKRK </p> <p> MGRDQRAVAG PALRRWLLLG TVTVGFLAQS VLAGVKKFDV PCGRDCSGG CQCYPEKGRR GQPGVPVPGQ YNGPPGLQGF PGLQGRKGDK GERGAPGVG PKGDVGARGV SGFGADGIP GHPGQGGPRG RPYDGCNGT QGDSGPGGPP GSEGTGPPG PQGPKGQKGE PYALPKEERD RYRGEPEGP LVGFQGGPPR PGHVGMGPV GAPGRPGPPG PPGPKGQQGN RGLGFYGVKG EKGDVGQPGP NGIPSDTLHP IIAPTGVTFH PDQYKGEKGS EGEPGIRGIS LKGEEGIMGF PGLRGYPGLS GEKSGPGQKG SRGLDGYQGP DGPRGPKGEA GDPGPGGLPA YSPHPSLAKG ARGDPGPPGA QGEPGSGQEP GDPGLPGPPG LSIGDGDQRR GLPGEMCPKG FIGDPIPAL YGGPPGPDCK RPPPGPPGLP GPPGPDGFLF GLKAKGRAG FPLPGSPGA RGPKGWKGDA GECRCTEGDE AIKGLPGLPG PKGFAGINGE PGRKGDKGDG QHGLPGFPG LKGVPGNIGA GPKGAKGDS RTITTKGERG QPGVPGVPM KDDGSGPRD GLDGFPGLP PGDGKIGPP GDPGVPGIPG TKGTPGEMGP PGLGLPGLKG QRGFPDAGL PGPFGFLGPP GPAGTPGQID CDTDVKRAVG GDRQEIQPG CIAGPKGLPG LPPPPGPTGA KGLRIPGPA GADGGPGPRG LPGAAGREGF PGPPFIGPR GSKGAVGLPG PDGSPGPIGL PGPDGPPGER GLPGEVLGAQ PGPRGDAGVP GQGLKGLPG DRGPPGFRGS QGMPGMPGLK QPGLPFGSG QPGLYGGPGL HGFPGAPQE GPLGLPGIPG REGLPDGRD PGDTGAPGPV GMKGLSGDRG DAGFTGEQGH PGSPGFKGID GMPCTPGLKG DRGSPGMDGF QGMFGLKGRP GFPGSKGEG FFGIPGLKGL AGEPPFKCSR GDPGPPGPPP </p>

10/15

Figure 2

[Key to Table:]

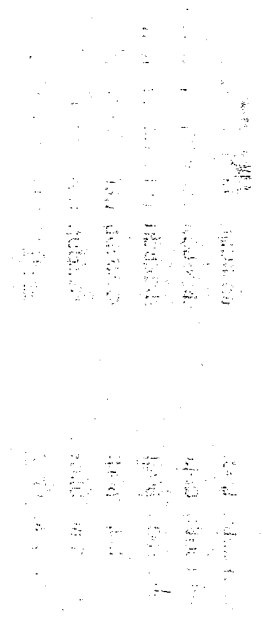
Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		VILPGMKDIK GEKGDEGPMG LKGYLGAKGI QCMPIGPGLS GIPGLPGRPG HIKGVKGDIG VPGIPGLPGF PGVAGPPGIT GPFQFICSRG DKGAPGRAGL YGEIGATGDF GDIGDTINLP GREGLKGERG TTGIPGLKGF FGEKGTEDI GPFQITGVG VQPPGLKGG TSPFGLTGP GSQGLGRIG LPOGKDDGW PGAPGLPGFP GLRGIRGLHG LPGTGKFFGS PGSDIHGDPG FPGPPGERG PGEANTLPGP VGVPGQKGDQ GAPGERGPPG SPGLQGFPI TPFNSISAP GDKAPGIFG LKGYRGPPGP PGSAALPGSK GDTGNPGAPG TPGTKGWAGD SGPQGRPGVF GLPGEKGRG EQGFMGTGP TGAVGDRGPK GPKGDPGFPG APGTVGAPGI AGIPQKIALQ PGTVGPQRRR GPPGAPGEIG PQPPGEPGF RGAPGKAGPQ GRGVSAPVG FRGDEGPIGH QGPIGQEGAP GRPGSPGLPG MGRSVSTGY LLVKHSQTDQ EPMCPVGMNK LMSGYSLLYF EGQEKAHNQD LGLAGSCLAR FSTMFFLYCN PGDVCCYASR NDKSYWLSTT APLPMPVAE DEIKPYISRC SVCEAPAIAI AVHSQDVSIIP HCPAGWRSNW IGYSFLMHTA AGDEGGGQSL VSPGSCLEDF RATPFIECNG GRGTCHYYAN KYSFWLTTP EQSPQGSPSA DTLKAGLIRT HISRCQVCMK NL
10	p27	MEASALTSEA VTSVAKVVRV ASGSVVLPL ARIATVVIIG VVMAAVPMV LSAMGTTAG IASSIAAKM MSRAAIANGG GVASGSIVCT LQSLGATGLS GLTKFILGSI GSARAVIAR FY
11	Reticulocalbin	MARGGRRL GLALGLLLAL VLAPRVLRAK PTVRKERVVR PDSELGERPP EDNQSFQYDH EAFLGKEDSK TFDQLTPDES KERLGKIVDR IDNGDGGFVT TEELKTWIKR VQKRYIFNV AKWKDYDRD KDDKISWEEY KQATYGYLNG NPAEFHDSSD HHTFKKMLPR DERRFKAADL NGDITATREE FTAFLHPEEF EHMKEIVVLE TLEDIDKNGD GFVDQDEYIA DMFSHEENC PEPDWLSERE QFMEFRDLNK DGKLDKDEIR HWILPDQYDH AQAEARHLVY ESDKNKDEKL TKEEILENNW MFVGSQATNY GEDLTKNIDE L
12	Aldehyde dehydrogenase 6	MATANGAVEN GQDGKPPAL PRFIRNLEVK FTKIFINNEW HESKSGKKA TCNPSTREQI CEVEGDKPD VDKAVEAAQV AFQSGPWRR LDALSRGRL HQLADLVERD RATLAALETM DTGKPFLLHAF FIDLEGCIPT

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Figure 2



The table content is extremely faint and illegible. It appears to be a multi-column table with several rows of data, possibly representing protein sequences or experimental results. The text is too light to transcribe accurately.

[Key to Table:]

Proteinsequenz = Protein Sequence

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Seq.IDNO	Name	Proteinsequenz
13	Gravin	<p> LRYFAGWADK IQGKTIPTDD NVVCFTRHEP IGVCGAITPW NPPLMLLVWK LAPALCCGNT MVLKPAEQTP LTALYIGSLI KEAGFPFGV NIVPGFGTV GAALSSHPQI NKIAFTGSTG VGKLVKEAAS RSNLKRVTLE LGKNPCIVC ADADLDLAVE CAHQGVFFNQ GQCCTAASRV FVEEQVYSEF VRRSVEYAKK RPYGDPFDVK TEQGPDIDQK QFDKILELIE SGKKEGAKLE CGGSAMEDKG LFIKPTVFSE VTDNMRIAKE EIFGPVQPIL KFKSIEEVIK RANSTDYGLT AAVFTKNLDK ALKLASALES GTVWINCYNALYAQAAPFGGF KMSGNGRELG EYALAEYTEV KTVTIKLGDK NP </p> <p> MGAGSSTEQR SPEQPEGSS TPAEPEPSGG GPSAERAPDT TADPAIAASD PATKLLQKNG QLSTINGVAE QDELSLQEGD LNGQKGALNG QGALNSQEEE EVIVTEVGQR DSEDVSRDS DKENATKSAY VHDITDDGQE ENRNIEQIPS SESNLEELTQ PTESQANDIG PPKVFKFVGF KFTVVKDKTE KPDTVQLLTV KKDEGEAGAAG AGDHQDPSIG AGEAAASKESK PKQSTKPEE TLKREQSHAE ISPPAESGQA VEECKEEGEE KOEKEPSKSA ESPTSPTSE TGSTFKKFFT QGWAGNRKKT SPRPKKEDEV EASEKKKEQE PEKVTEEDG KAEVASEKLT ASEQAHPQEP AESAHEPRLS AEYEKVELPS EEQVSGSQGP SEEKPAPLAT EVFDEKIEVH QEEVVAEVHV STVEERTEEQ KTEVEETAGS VPAEELVGMD AEPQEAEPK ELVLKKTCTV SGEDPTQGAD LSPDEKVLKSK PPEGVVSEVE MLSSQERMKV QGSPLKLLFT STGLKLLSGK KQKGRGGGD EESGEHTQVP ADSPDSQEEQ KGESSASSPE EPEEITCLEK GLAEVQQDGE AEEGATSDGE KKREGVTPWA SPKNMVTPEK RYRRPSES DK EDELDKVISA TISSTESTAS EMQEMKGSV EEPKPEEPKR KVDTSVSWEA LICVGSKKR ARRRSSDEE GGPKAMGGDH QKADAEAGDK ETGTDGILAG SQEHDGQGS SSPEQAGSPT EGEVSTWES FKRLVTPEKK SKSKLEKSE DSIAGSGVEH STPDTEPGKE ESWVSIKKFI PGRKKRPDG KQEQAPVEDA GPTGANEDDS DVPAVVPLSE YDAVEREKME AQQAQGAEQ PEQAATEVS KELSEQVHM MAAAVADGTR AATIIERSP SWISASVTEP LEQVEAEAAAL LTEEVLREV IAEEPTPTVT EPLPENREAR GDTVVVSEAE TPEAVTAAET AGPLGSEGT EASAAEETTE MVSAVSQLTD SPDTTEATP VQVEGGVDP IEEQERTQE VLQAVAEKVK </p>

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Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

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Seq.IDNO	Name	Proteinsequenz
14	Nidogen	<p> BESQLPGTGG PEDVLQPVQR AEAERPEQA EASGLUKKETD VVLKYDAQEA KTEPFTQGV VQGTTPESFE KAPQVTEIS ESELVTTTQQA ETLAGVKSQE MVMEQAIPPD SVETPTDSET DGSTPVADFD APGTTQKDEI VEIHEENEVA SGTQSGGTEA EAVPAQKERP PAPSSFVFQE ETKEQSKMED TLEHTDKEVS VETVSILSKT EGTQEADQYA DEKTKDVPPF EGLEGSIDTG ITVSREKVT E VALKGEETEE AECKKDDALE LQSHAKSPPS PVEREMVUVQ EREKTEAREPT HVNEEKLHE TAVTVSEEV KQLLTQVNV I IDGAKEVSS LEGSPPPCLG QEEAVCTKIQ VQSSEASFTL TAAABEEKVL GETANILETG ETLAPAGAH VLEKSSEKN EDFAAHGPD AVPTGPDCA KSTPVIVSAT TKKGLSSDLE GEKTTSLKWK SDEVDEQVAC QEVKVSVAIE DLEPENGILE LETKSSKLQV NIIQTAVDQF VRTEETATEM LTSELQTOAH VIKADSQDAG QETEKEGEEP QASAQDETPI TSAKESEST AVQAHSDIS KDMSEASEKT MTVEVEGSTV NDQOLEEVVL PSEEGGGAG TKSVPEDDGH ALLAEKIEKS LVEPKEDKGG DDVDDPENQN SALADTDASG GLTKESPDTN GPKQKEKEDA QEVELQEGKV HSESDKAITP QAQEELQKQE RESAKSELTE S </p> <p> MLASSRIRA ANTRALLPL LLAGPVGCLS RQELFPFGPG QGDLELEDGD DFVSPAELS GALRFYDRSD IDAVVVTNG IATSEPPAK ESHPLFPPT FGAVAPFLAD LDTTDGLGV YREDLSPSI TORAAECVHR GFPEISFQPS SAVVVTWESV APYQGPSRDP DQKGRNTFQ AVLASSDSS YAIFLYPEDG LQPHTTFSKK ENNQVPAVVA FSQGSVGFIL KSGAYNIFA NDRESIENLA KSSNSGOQGV WVEIGSPAT TNGVVVPADVI LGTEDGAED DEDEDYDLAT TRLGLEDVGT TPFYKALRR GGADTVSVPS VLSPPRAATE RPLGPPTERT RSFLAVETF HQHPQVIDV DEVEETGVVF SYNTDSRQTC ANNRHQCSVH AECDYATGF CCSCVAGYTG NGRQCVAEGS PQVNGKVKG RIFVGSQVVP IVFENTDLHS YVMNHGRSY TAISTIPETV GYSLPLAPV GGIICNMFAV EQDGFKNQGS ITGGEFTRQA EVTFVGHGPN LVIKQRFSGI DEHCHLTIDT ELEGRVPOIP </p>

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

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Seq.IDNO	Name	Proteinsequenz
15	Phospholipase Epsilon	<p>FGSSVHIEPY TELYHYSTSV ITSSSTREYV VTEPERDGAS PSRIYTYQWR QTITTFQECVH DDSRPALPST QQLSVDSVYV LYNQEEKILR YAFSNSIGPV REGSPDALQN PCYIGTHGCD TNAACRPGPR TQFTCECSIG FRGDGRTCYD IDECSEQPSV CGSHTICNHH PGTFRCCEVE GYQFSDEGTC VAVDQRPIN YCETGLHNCD IPQRAQCIYT GSSSYTCSCS PGFSGDQAC QDVDECQPSR CHPDAFCYNT PGSFTCOCKP GYQGDGFRCV PGEVEKTRCQ HEREHILGAA GATDPQRP PGLFVPECDA HGHYAPTQCH GSTGYCWCVD RDGREVEGTR TRFGMTPPCL STVAPPIHQG PAVPTAVIPL PPGTHLLFAQ TGKIERLPLE GNTMRKTEAK AFLHVPKVI IGLAFDCVDK MCVYWDITEP SIGRASLHGG EPTTIIRQDL GSPEGIAVDH LGRNIFWTD NLDRIEVAKL DGTQRRVLE TDLVNPRGIV TDSVRGNLYW TDWNRDPKI ETSYMDGTNR RILVQDDDLGL PNGLHFDAPS SOLCWVDAGT NRAECLNPSQ PSRRKALEGL QYPFAVTSYG KNLYFTDWKM NSVVALDLAI SKETDAFQPH KQTRLYGIIT ALSQCPQGHN YCSVNNGGCT HLCLATPGSR TCRCPDNTLG VDCIERK</p> <p>C MPSEKKISSA NDCISPMQAG CELKKVRPNS RIYNRFFTLT TDLQALRWP SKKLEKAKL DISAIKIRL GKNTETFTNN GLADQICEDC AFSILHGENY ESIDLVANSA DVANIWVSL RYLVSRSKQP LDFMEGNQNT PRFMILKTVF EAADVDNGI MLEDTSELI KQLNPTLKEA KIRLKFEIQ KSEKLTTRV TEEFCEAPC ELCTRPEVYF LLVQISRNKE YLDANDLMLF LEAFQGVTHI TEDICLDIIR RYELSEGRQ KGFLAIDGFT QYLLSSECDI FDEQKKVAQ DMTQPLSHY INASHNTYLI EDQFRGPADI NGYIRALKMG CRSVELDVSD GSDNEPILCN RNNMTTHVSF RSIVIEVINKF AFVASEYPLI LCLGNHCSLP QOKVMAQMK KVFGNKLYTE APLPSESYP SPEKLKRMII VKGKKLPSPD DVLEGEVTE DEEAQMSRRM SVDYNGEQKQ IRLCRELSDL VSICKSVQYR DFELSMKSN YWEMCSFSET EASRIANEYP EDFVYNKKF LSRIYPSAMR IDSSNLNPQD FWNCGCQIVA MNFQTPGPM DLHTGWFQGN GGCGYVLRPS IMRDEVSYFS ANTKGILPGV SPLALHIKII SGQNFPPKPG ACAKGDVIDP YVCIEIHGIP ADCSEORTKT VQNSNDPIF DETFEFQVNL PELAMIRFVV LDDDYIGDEF IGQYTIPEF LOPGYRHVPL RSFVGDIHEH VTLFVHIAIT NRSGGGKAK RSLSVRMGKK</p>

Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence

Abbildung 2

Seq.IDNO	Name	Proteinsequenz
		VREYTMRLNI GLKTIDDDIFK IAVHPLREAI DMRENMQNAI VSIKELCGLP PIASLKQCCLL TLSSRLITSD NTPSVSLVMK DSEPPYLEPLG AIPDVOKKWL TAYDLMIQES RELIEMADTV QEKIVQCQKA GMEFHEELHN LGAKEGLKGR KLNKATESFA WNITVLKQGG DLLKNARNEA IENMKQIQLA CLSCGLSKAP SSSAEAKSKR SLEAIEERES SEENGKL

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Figure 2

[Key to Table:]

Proteinsequenz = Protein Sequence